

SEQUENCE LISTING

09/980845

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<110> Handfield, Martin
Brady, Jeannine
Progulske-Fox, Ann
Hillman, Jeffrey D.

<120> Microbial Polynucleotides Expressed During Infection of
a Host

<130> MBHB00-505

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<150> 60/147,551
<151> 1999-08-06

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<170> PatentIn Ver. 2.1

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 agtgccggtg gaggcgngga aaattcactc acttggtgcg gaaggcaatg atgtgggatt 180
 gaaagcccat catggcggtt ggataaagcg ttatttttta tgcggcaga tgcctttcct 240
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 ggctcctgcg tgggtggaggt gtcgcagccg cgtaaaccct gtgagcgctt atcgaaaaat 420
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taccgcgcag cggggcgcca caccggttgg cggaagaagt acgccatctc attaaacatg 600
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cngngggaac ggggttttcgg cggcagattg gcaagattat ccgcctgggt cagtatggaa 780
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aaaagaaaaa tacaacttag acgtagaata cgttttattc atgactacgc cttgccaaac 180
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gcgcttattt aagctaaaac accatcttgg cattcagga tttttatccg ggctattcac 180
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aaccttttta agaaaataa 259

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<210> 11
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ggaaaataa 429

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<210> 14
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caatgcgttg tggatacggt aaaaacgtta ggtgttgggg aagtcattctc taccgcgcag 120
ccgggcggca caccggttgg cggaaaagct acgcatctc at 162

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      20             25             30

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Glu Tyr Val Leu Phe Met Thr Thr Pro Cys Gln Thr Leu Gln Cys Leu
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Lys Val Ile
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 20 25 30

Leu Asn Gln Ala Lys Ala Glu Trp Arg Leu Phe Lys Leu Lys His His
 35 40 45

Leu Gly Ile Gln Gly Phe Leu Ser Gly Leu Phe Thr Phe Val Leu Arg
 50 55 60

Ser Gly Ala Arg Leu Leu Pro Thr Ser Leu Leu Lys Asn Ile Tyr Gln
 65 70 75 80

Thr Phe Leu Arg Lys
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Phe Asn Leu Ile Val Ala Lys Arg Ile Glu Leu Ser Leu Ala Gln Gln
 20 25 30

Val Leu Asn Gly Asp Val Leu Gln Leu Asn Gly Ser His Ser Trp Phe
 35 40 45

Val Ala Asp Ala Ser Glu Asp Leu Thr Gln Leu Gln Gln Arg Leu Ala
 50 55 60

Gln Arg Asp Ile Leu Leu Thr Ala Pro Leu Ile Gly Glu Glu Asp Lys
 65 70 75 80

Ser Ala Val Asp Phe Glu Asn Glu Ile Phe Val Ala His Gln Ala Leu
 85 90 95

Phe His Leu Met Arg Gln Glu Arg Val Lys Ala Ala Arg Arg Pro Ile
 100 105 110

Leu Met Gln Ala Gln Gln Phe Gln Trp Gln Phe Glu Pro Asn Gly Leu
 115 120 125

Arg Leu Lys Phe Tyr Leu Pro Ala Gly Ser Tyr Ala Thr Ala Leu Val
 130 135 140

Arg Glu Leu Val Asn Val Glu Asn
 145 150

<210> 18

<211> 198

<212> PRT

<213> Actinobacillus actinomycetemcomitans

<220>

<221> UNSURE

<222> (43)

<223> Xaa stands for any amino acid.

<220>

<221> UNSURE

<222> (50)

<223> Xaa stands for any amino acid.

<220>

<221> UNSURE

<222> (59)

<223> Xaa stands for any amino acid.

<220>

<221> UNSURE

<222> (66)

<223> Xaa stands for any amino acid.

<220>

<221> UNSURE

<222> (69)

<223> Xaa stands for any amino acid.

<400> 18

Met	Asn	Ile	Leu	Leu	Ser	Asn	Asp	Asp	Gly	Ile	His	Ala	Pro	Gly	Ile	1	5	10	15
Arg	Val	Met	Arg	Thr	Leu	Arg	Lys	Ile	Ala	Asn	Val	Thr	Ile	Val	Ala	20	25	30	
Pro	Asp	Ser	Asn	Arg	Lys	Arg	Arg	Leu	Gln	Xaa	Leu	Asn	Leu	Gly	Glu	35	40	45	
Ala	Xaa	Val	Phe	Arg	Ser	Phe	Gly	Lys	Ala	Xaa	Ile	Ile	Ala	Ser	Thr	50	55	60	
Ala	Xaa	Pro	Ala	Xaa	Cys	Val	His	Ile	Ala	Leu	Thr	Gly	Phe	Leu	Ser	65	70	75	80
Gly	Arg	Ile	Asp	Leu	Val	Ile	Ser	Gly	Ile	Asn	Ala	Gly	Ala	Asn	Leu	85	90	95	
Gly	Asp	Asp	Val	Leu	Tyr	Ser	Gly	Thr	Val	Ala	Ala	Ala	Phe	Glu	Gly	100	105	110	
Arg	His	Leu	Gly	Leu	Pro	Ser	Ile	Ala	Val	Ser	Leu	Asp	Gly	Arg	Gln	115	120	125	
His	Phe	Glu	Thr	Ala	Ala	Arg	Val	Val	Cys	Asp	Leu	Val	Pro	Lys	Leu	130	135	140	
His	Ala	Gln	Leu	Leu	Gly	Lys	His	Glu	Ile	Leu	Asn	Ile	Asn	Val	Pro	145	150	155	160
Asp	Val	Pro	Tyr	Glu	Glu	Leu	Lys	Gly	Ile	Lys	Val	Cys	His	Leu	Gly	165	170	175	

Tyr Arg Ser Ser Ala Ser Glu Val Ile Lys Gln Gln Ser Pro Arg Gly
 180 185 190

Glu Asp Met Tyr Trp Ile
 195

<210> 19

<211> 142

<212> PRT

<213> Actinobacillus actinomycetemcomitans

<400> 19

Asp Leu Pro Leu Ala Asn Pro Tyr Glu Met Leu Ile Leu Ala Ser Ile
 1 5 10 15

Val Glu Lys Glu Thr Gly Ile Ala Ala Glu Arg Pro Gln Val Ala Ser
 20 25 30

Val Phe Ile Asn Arg Leu Lys Ala Lys Met Lys Leu Gln Thr Asp Pro
 35 40 45

Thr Val Ile Tyr Gly Met Gly Asp Asp Tyr Asn Gly Asn Ile Arg Lys
 50 55 60

Lys Asp Leu Glu Thr Pro Thr Pro Tyr Asn Thr Tyr Val Ile Asp Gly
 65 70 75 80

Leu Pro Pro Thr Pro Ile Ala Met Pro Ser Glu Glu Ala Leu Gln Ala
 85 90 95

Val Ala His Pro Ala Gln Thr Ala Phe Tyr Tyr Phe Val Ala Asp Gly
 100 105 110

Thr Gly Gly His Lys Phe Ser Arg Asn Leu Asn Glu His Asn Lys Ala
 115 120 125

Val Gln Gln Tyr Leu Arg Trp Tyr Arg Glu Gln Asn Gly Lys
 130 135 140

<210> 20

<211> 54

<212> PRT

<213> Actinobacillus actinomycetemcomitans

<400> 20

Met Val Gly Lys Phe Ile Val Ile Glu Gly Leu Glu Gly Ala Gly Lys
 1 5 10 15

Ser Thr Ala His Gln Cys Val Val Asp Thr Leu Lys Thr Leu Gly Val
 20 25 30

Gly Glu Val Ile Ser Thr Arg Glu Pro Gly Gly Thr Pro Val Gly Gly
 35 40 45

Lys Ala Thr Pro Ser His
 50